

# News from The Arboretum

of Los Angeles County

February/March/April 2003

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Marshall

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Earl D. Breithaupt

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Clay E. Bell

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7-7-7

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Sylvia Duenkel

Frank Hubbard

*L. B. H.*

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Jill Berry

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John Van Maten Jr.

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Drena Woods

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Kathryn Smeltzer

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Sandy Snider

Timothy R. Phillips

Sherry Tabin

Veda Williams

Donna H.

Susan Curtis

Charles Kachong



## Happy New Year from The Arboretum Staff

We all wish you a New Year of much joy  
and celebration and hope that you will  
visit us often at The Arboretum in 2003.

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# WINTER AT THE ARBORETUM

It's difficult to believe that the winter season with its turbulent weather is passing us by. I view the gusty, whipping wind and torrential rainstorms as Nature's way of cleaning out the withered, dead and decayed, with promises of a beautiful spring renaissance around the corner.

Many things are happening at The Arboretum at this time:

Gilbert N. Resendez has joined our Board of Trustees. He is Executive Vice President of Monrovia Growers. Gilbert joins the Board at a time when his knowledge and experience will be a great asset to our very ambitious future.

Russ Guiney, Chief Deputy, and Donald Allen, Assistant Director of the Regional Facilities Agency, have become part of the Los Angeles County's Department of Parks and Recreation. We look forward to working with them as invaluable partners of our institution.

Board member Alan Tekerlek and his wife Chumi Paul have graciously accepted the positions of co-chairs of the committee coordinating The Arboretum's 33rd Baldwin Bonanza Party. The party will take place on the evening of **Friday, May 2nd**. Please reserve this date for what promises to be a fabulous evening.

We have begun implementing a recent allocation of funds from Los Angeles County in order to modify our facilities in becoming more ADA compliant. The \$175,000 is initially going towards design, bathroom modifications, and drinking fountain

changes. Additionally, we have identified other necessary changes. Some are being implemented and others are planning for in scheduled phases.

The conceptual long-range plan is almost finalized. The Arboretum certainly has a bright future, with lots of exciting changes, expanding programs, as well as additional garden features and buildings to better house our offerings. We plan to have an inviting entrance which will increase visitors' expectations as they approach and enter our beautiful grounds. We have much to do in order to make this a reality and it will require everyone's assistance to attain our rightful place in the botanic garden world.

So, please visit our garden soon. The Arboretum is constantly changing and we invite you to stop by to say hello, ask questions, or take a closer look at our plans for our future.




## SAVE THE DATES MAY 3 & 4 BALDWIN BONANZA PLANT SALE

FOUNDATION PRESIDENT, GEORGE BRUMDER

## DEAR ARBORETUM FRIENDS,

There are two things I'd like to say to you:

First, we urge you to give your attention to the conceptual long-range plan for The Arboretum. We want the plan to be the best that it can be, and your input can be invaluable. Please be in touch with

Peter, or with me, with any comments, questions and suggestions you have. We hope to hear from you.

Second, please be on the lookout for information about this year's Baldwin Bonanza. You've probably noticed that it's been getting bigger and better each year. This year will be no exception, and the Preview Party, co-chaired by Chumi and foundation trustee Alan Tekerlek, promises to be quite something. We hope you'll want to participate, and look forward to seeing you at The Arboretum the first weekend in May.

On behalf of the foundation trustees, I thank you for your continuing interest, support and involvement. With all good wishes,  
George

### LOS ANGELES ARBORETUM FOUNDATION BOARD OF TRUSTEES 2003

|                                                   |                      |                     |
|---------------------------------------------------|----------------------|---------------------|
| George A. Brumder<br><i>President</i>             | John R. Fee          | Gilbert N. Resendez |
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## FEBRUARY, MARCH AND APRIL 2003 CLASSES AND ACTIVITIES

PLEASE CALL (626) 821-4623 FOR RESERVATIONS

### THURSDAY MORNING SEMINAR SERIES FOR ENTHUSIAS- TIC GARDENERS AND GARDEN DESIGNERS

#### Winter Series

8 Thursdays,  
Jan. 9 - Mar. 6:

#### Spring Series

8 Thursdays,  
March 27 - May 15:  
9:45 - 12 noon

#### Lecture Hall A

\$120 for all  
8 seminars / \$90 for 4  
seminars / \$35 for a  
single seminar

**January 9th:** Chris Rosmini will lead a discussion of 'What Is a Garden?'

**January 23rd:** Clair Martin will speak on choosing roses.

**January 30th:** a field trip -- possibly to Nuccio's in Altadena, grower of camellias and azaleas.

**February 6th:** Sean O'Hara, 'Our Mediterranean Climate'

**February 13th:** Nan Sterman, 'Plant Soup - Lesser-known Native, Mediterranean and Southwest Desert Area Plants'

**February 20th:** Jan Smithen, Gardening Under Mediterranean Skies

**February 27th:** Lili Singer, 'Who's That In My Garden?' -- a focus on pests, and pest management.

**March 6th** -- to be announced.



*Peg Rahn and Susan Kranwinkle delight their audience at the Fresh Fundraiser.*

### FRESH: CELEBRATING THE TABLE!

Thursday classes  
from 3-5 pm.

Saturday classes  
10 am-noon.

\$45 / \$50 non-members  
per class

This Arboretum series encompasses all things wonderful about the kitchen table - from the garden that grows the food to recipes, seasons, and festive decorations that celebrate our love for eating - this series is very popular so sign up early as the classes often sell out completely!

Join cookbook authors, restaurant chefs, caterers, florists, gardeners and other "foodies" as they instruct two-hour workshops.

Demonstrations, tastings and loads of ideas and information to use at home are included.

### WINTER DINNER WITH STEVEN MARY OF THE GRILL AT THE RITZ-CARLTON

Thursday, February 20

Join Steven as he brings to our table a three-course meal to take the chill out of winter. He will create a soup, main course, and a scrumptious dessert, all with the freshness and flair for which he is famous!

### MOUTH-WATERING DINNER PARTY WITH ALEXANDRA POER SHERIDAN

Thursday, March 6

Alexandra is known for her flair and unique presentation of interesting cuisine - join us as she presents a simple yet elegant menu for a spring dinner. As always with Alexandra, you will leave with the confidence to try many new ideas and recipes in your own kitchen.

### ELEGANT AND INNOVATIVE MEXICAN CUISINE WITH HUGO MOLINA

Saturday, March 22

Taste delicious food from various regions of Mexico as prepared by Hugo. He has recently opened his new restaurant, The Spanish Kitchen, on La Cienega, that features his own style of Mexican food that originates in areas of Pueblo, the Yucatan and elsewhere.

### CELEBRATING SPRING - A FLORAL FANTASY

Thursday, April 3

Create (and take home!) a wonderful arrangement of spring flowers for your table! Bring clippers and gloves. Instructor to be announced.

### SUMMER FRUIT PASTRIES WITH JOAN COLLINS OF WILDFLOUR BAKERY

Thursday, May 15

Joan Collins', owner and baker for Wildflower Bakery, newest venture is a wonderful bakery in Sierra Madre that features fresh breads, tarts, pastries and other delicious treats. This program highlights baking with summer fruits, and will also feature some pastry cooking basics. Joan will make a fruit tart, a cherry clafouti, and a savory herb twist.

### A SPRING CELEBRATION WITH JIMMY MARTINEZ

Thursday, May 29

Currently the chef at Caffé Citron in Monrovia, Jimmy has also worked at Spago's of Beverly Hills and is a graduate of Le Cordon Bleu Culinary Art Program in Pasadena. He will prepare dishes for a delicious spring dinner including a fabulous first course, an entrée and an irresistible dessert.

### KIDS' COOKING CLASSES

Thursday, June 26 and  
Thursday July 31

Topic and time to be  
announced.





# GARDEN SPROUTS: SATURDAY KIDS GARDENING CLUB!

1st Saturday of each  
month through June 2003

Winter:  
Jan. 4th, Feb. 1st, Mar. 1st  
Spring:  
Apr. 5th, May 3rd, June 7th  
9:00am - 11:00am

Roots and Shoots Garden  
at the Old Ranch Rd.  
entrance to The  
Arboretum (off Colorado  
Blvd.)

Cost: Members \$25/quar-  
ter, or \$10/Saturday

Non-Members \$30/quar-  
ter, or \$12/Saturday

Hey, Kids! It's that time  
again! Just for you!! (Kids  
ages 5-8) Parents - This is  
a "drop off" program.

Plant and tend our  
garden, play nature  
games, and learn crafts!  
Plant flowers to take  
home!...and much more!

# FAMILY ADVENTURES

First Saturday of the  
month BEGINNING  
January 4, 2003

2:00 pm

Under the BIG Oak Tree  
in front of Ayres Hall



Lisa Beach,  
Adventure Guide  
\$10 per family for  
members; \$14 per family  
for non-members

Pre-registration  
preferred; walk-on  
registration accepted  
while supplies last.

In the event of rain, the  
program is cancelled.  
Each Saturday will have a  
different theme relating  
to nature or the  
environment, and will  
include a variety of activi-  
ties such as a short story  
or talk, a walk to a  
special part of The  
Arboretum, and a take-  
home naturecraft activity.

# FEB 1ST PAPER OLD AND NEW!

Learn how paper was  
made from papyrus a  
long time ago; see it  
growing near the lake.  
Then, learn to make your  
own paper! Make your  
own Valentine to send!

# MARCH 1ST MORE TREES PLEASE!

Take a walking tree tour  
around The Arboretum!  
Learn tree folklore, take  
time for storytime, and  
make leaf magnets!

# APRIL 5TH BAMBOO FOR YOU!

Hike through the bam-  
boo forest at The  
Arboretum! Learn how  
bamboo grows! Make a  
bamboo rain stick!

# BOTANICAL WATERCOLOR WORKSHOP

Winter : 8 Mondays,  
January 6 - February 24  
Spring : 8 Mondays,  
March 17 - May 5  
9:30 - 11:30 am

Education Greenhouse  
\$35 / \$42 non-members  
Enjoy painting flowers  
from The Arboretum with  
watercolor enthusiasts.  
This self-directed work-  
shop (no official instruc-  
tor) provides a support-  
ive environment to con-  
centrate on painting.

# COMPULSIVE GARDENERS

8 Fridays, Jan. 10 - Feb. 28  
8 Fridays, Mar. 28 - May 16  
9:30 - Noon  
Lecture Hall A

Self-directed by members  
of the class  
\$40 / \$48 non-members  
per 8 week session

Calling all passionate and  
committed gardeners.  
The first hour will be a  
"show and tell" facilitated  
by a class member, a  
general sharing of garden  
experiences, questions,  
book reviews and gar-  
dening news. A presenta-  
tion will follow. Winter  
session topics include a  
slide tour of East Coast  
gardens, using unique  
materials from the gar-  
den, a tour and talk on  
The Arboretum Herb  
Garden, Designing Your

Dream Garden, Plant  
Research Resources,  
Irrigation Systems, Plant  
Profiles and a field trip.

# WATERCOLOR PLEIN AIR (OUTDOORS)

6 Saturdays,  
Jan. 18 - Feb. 22  
9 am - Noon

Meet at Lecture Hall C,  
then the grounds  
Jennifer Cunningham,  
Instructor

\$180 / \$200 non-members  
Paint the magnificent vis-  
tas and historic treasures  
of The Arboretum. The  
instructor will lecture,  
give demonstrations and  
critique students' work.  
Drawing, composition,  
color, perspective, texture  
and design are covered.

# GARDENING 101: A WEEKEND SERIES

The 3rd Sunday of each  
month (except Easter)  
2 - 4 pm  
Scott Daigre  
& Catherine Downes,  
formerly of Hortus

Winter Series 2003:  
Jan. 19, Feb. 16, March 16  
Spring Series 2003:  
April 27 (instead of April  
20), May 18, June 22

\$45 / \$52 non-members  
for each series  
\$18 / \$20 non-members  
per single class

Learn the ABCs of great  
gardening! We are  
thrilled to have Scott

and Catherine at The  
Arboretum. Even great  
gardeners sometimes  
forget the basics - or  
need a quick brushup.  
Basic gardening princi-  
ples will be emphasized.  
A great way to spend  
Sunday afternoon!

# BOTANICAL WATER- COLOR TECHNIQUES

6 Saturdays, February 1,  
15, March 1, 15, 29, April 5  
9:30 am - 4:30 pm

# BOTANICAL DRAWING AND ILLUSTRATION

6 Sundays: Feb. 2, 16,  
Mar. 2, 16, 30, April 6  
9:30 am - 4:30 pm

Olga Eysymontt,  
Instructor

Contact: Otis College of  
Art and Design Evening  
College (310) 665-6850  
or (800) 527-6847 for  
information/registration.

# IKEBANA

Winter:  
8 Fridays,  
Jan. 10 - Feb. 28

Spring:  
8 Fridays,  
March 28 - May 16  
9:30 - 11:30 am

Lecture Hall B

Reiko Kawamura,  
Instructor

\$65 / \$80 non-members  
per 8-week session

\$24 materials fee payable  
to the instructor

Learn Japanese cultural  
traditions with Reiko

**INFORMATION:** Call (626) 821-4623 or (626) 821-4624 for informa-  
tion or to register for a class. Please fax to (626) 821-4642 or mail your  
registration form with your payment to: Los Angeles Arboretum  
Foundation, 301 N. Baldwin Ave., Arcadia, CA 91007-2697, Att. Jill Berry

Reservations are required for most classes, programs and events.  
Registration on the day of the program is allowed if space is available.

**NO CONFIRMATION IS SENT. ALL FEES ARE NON-REFUNDABLE  
AND NON-TRANSFERRABLE.** However, classes may be cancelled  
due to low registration. Cancelled classes are fully refunded.

Special assistance is available for people with disabilities. Call the  
Program Manager at (626) 821-4624 at least one week prior to the  
program for specific requests.

# REGISTRATION ONCE CLASS PER FORM PLEASE

Class/Event

Please make checks payable to: Los Angeles Arboretum Foundation (LAAF)

Signature required for all credit card charges

Discover/MC/Visa/Amex #

Name

Address

City

State

Zip

Telephone ( )

LAAF Member

No. of people

Total

\$

Non-member

No. of people

Total

\$

Exp.

Member No.

(if applicable)



# Baldwin Bonanza Festival of Plants 2003

## Arboretum Plant Offerings

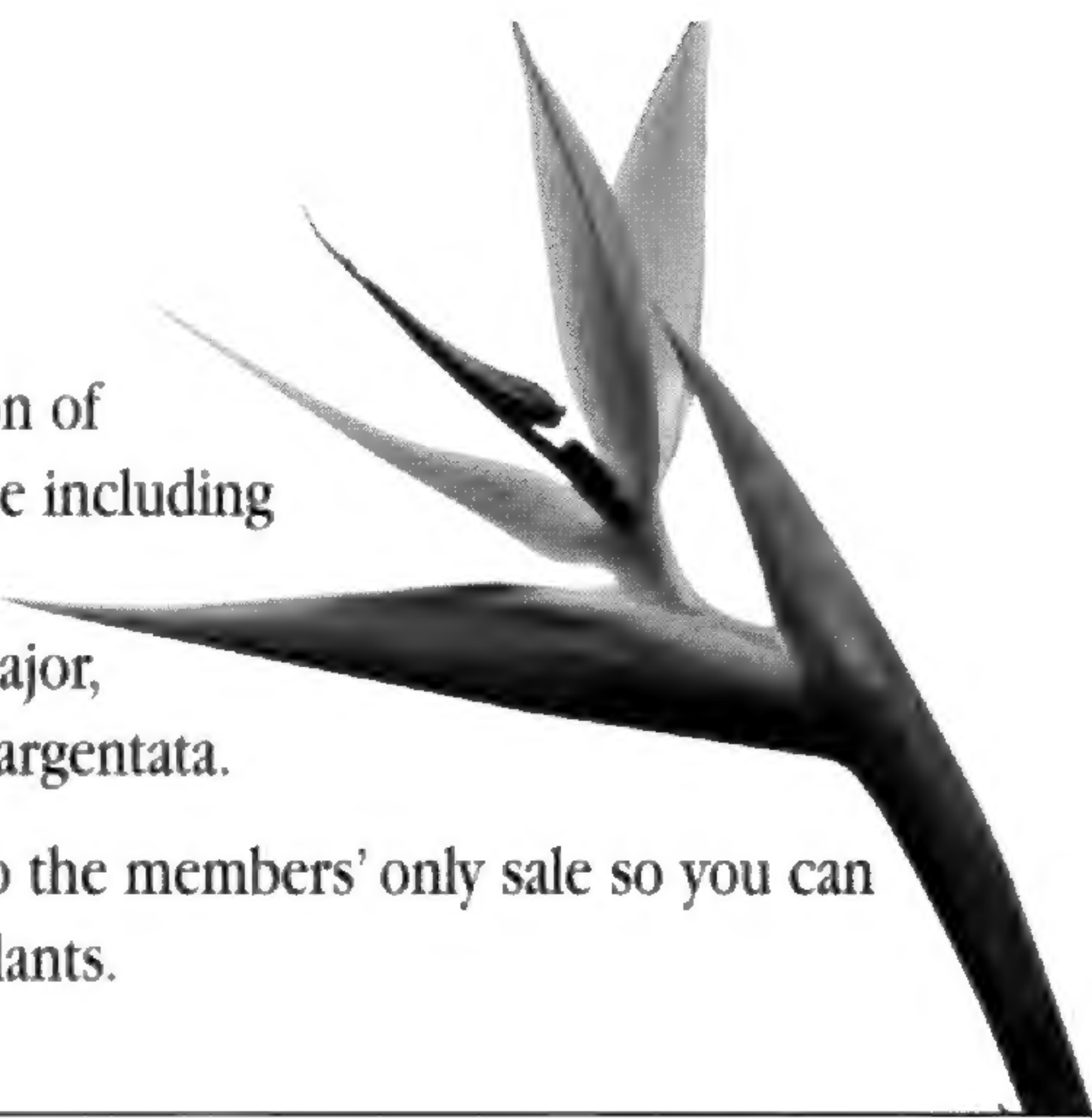
The Baldwin Bonanza 2003 Festival of Plants Sale will be open to members only on Saturday, May 3 from 8:00-9:00 am and will be open to the public on Saturday, May 3 and Sunday, May 4 from 9:00am to 4:30pm each day.

Thousands of plants from The Arboretum collection will be available. Among the unique treasures are Clausena lansium, Combretum fruticosum, Graptophllyum excelsum, and Leucophyllum ‘Zaragoza’.

**Key to description codes:** (C) Can be used in Container, (W) Water conserving/Drought tolerant, (S) Scented flowers or foliage, (A) Australian Native, (B) Bird, bee or butterfly attractive, (E) Edible fruit, (U) Useful medicinally or culinary

Orchids, propagated from The Arboretum’s extensive collection of species orchids, will also be available including Pholidota imbricata, Cymbidium aloifolium, Eria javanica, Isochilus major, Dendrochilum uncatum, and Stellis argentata.

A complete listing follows. Come to the members’ only sale so you can be sure to get your first choice in plants.



| Genus          | Species       | Variety | Cultivar    | Common Name                   | Description                                                                                                                                               |
|----------------|---------------|---------|-------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Abutilon       | megapotamicum |         |             | Brazilian Bell-Flower         | Weeping Shrub 3'x3', dark green maple-shaped leaves, red and yellow lantern flowers nearly year round (B/C)                                               |
| Acacia         | seiberiana    |         | Woodii      | Paperbarkthorn                | South African plains tree to 30' x 50'wide, broad, low spreading crown, corky bark, creamy white fragrant powderpuff flowers in spring (W/B/S)            |
| Aesculus       | californica   |         |             | California Buckeye            | California native, deciduous tree to 15' x 15', large deep green leaves spring-fall, spikes of cream flowers in spring (W/B)                              |
| Agave          | tequilana     |         | Sunrise     | Variegated Blue Maguey        | Large succulent to 7' wide, blue tinted leaves yellow edges, the variegated form of the official tequila maguey (W/C)                                     |
| Alosya         | citriodora    |         |             | Lemon Verbena                 | Fragrant shrub to 5', leaves strongly lemon scented, dainty lavender flowers summer-fall, nice near a walkway, makes excellent tea (W/C/U)                |
| Alyogyne       | cuneiformis   |         |             | White Hibiscus                | Glossy evergreen shrub to 10', large white hibiscus-like flowers with dark center in summer (W/A/C)                                                       |
| Amaryllis      | belladonna    |         |             | Belladonna Lily               | Bulb, will naturalize and spread in the CA garden, leaves die back to ground before the late summer display of showy pink flowers                         |
| Anisacanthus   | thurberi      |         |             | Desert Honeysuckle            | American desert native, shrub to 5', long, tubular, orange flowers bloom all summer (W/B)                                                                 |
| Annona         | cherimola     |         |             | Cherimoya                     | Deciduous shrub/tree to 15', velvety leaves drop in late spring, pick knobby fruit when yellowish green, creamy custardlike fruit (E)                     |
| Aristolochia   | sp            |         |             | Dutchman's Pipe               | Vine to 15', vigorous grower, 4" red/brown flowers shaped like a pipe in summer-fall, grown for unusual flowers                                           |
| Beaumontia     | jerdoniana    |         |             | Herald's Trumpet              | Vine to 30', large dark green leaves are evergreen, flowers on mature wood in spring, flowers are 10" white, trumpets                                     |
| Caesalpinia    | gilliesii     |         |             | Yellow Bird of Paradise Shrub | Evergreen to deciduous shrub to 10', delicate leaves accent the stem structure, covered with 3" flowers, yellow petals & red stamens (W/B)                |
| Caesalpinia    | pulcherima    |         |             | Red Bird of Paradise Shrub    | Deciduous shrub to 10', delicate leaves accent the dark stems, sprays of red-orange flowers with red stamens in summer (W/B)                              |
| Camptotheca    | acuminata     |         |             | Happy Tree                    | Cold weather deciduous tree to 40', graceful columnar habit, large leaves on tiers of branches, Chinese medicinal plant (U)                               |
| Cassia         | brewsteri     |         |             | Cigar Cassia                  | Tree to 20' x 25'wide, 6" long drooping racemes of yellow/orange and red/brown flowers in summer (W/A)                                                    |
| Castanospermum | australe      |         |             | Morton Bay Chestnut           | Slow growing evergreen tree to 50', dark green, shiny leaves, flowers under the canopy are bright red and yellow in sumer, roasted seeds are edible (B/E) |
| Chionanthus    | retusus       |         |             | Chinese Fringe Tree           | Deciduous tree to 20', spectacular bloom of white flowers in spring followed by blue berries in fall                                                      |
| Choisya        | ternata       |         |             | Mexican Orange                | Compact, rounded bush to 6', glossy deep green leaves, small white, fragrant flowers in spring (W/S/B)                                                    |
| Clausena       | lansium       |         |             | Wampi                         | Tropical fruit tree to 20', flowers in spring, bunches of grape sized, edible yellow fruits in summer-fall (E)                                            |
| Clerodendrum   | myricoides    |         | Ugandense   | Glorybower                    | Evergreen shrub to 10', glossy dark green leaves, keeled flower is dark blue above and pale blue lower petals, flowers in summer ©                        |
| Coffea         | arabica       |         |             | Coffee Tree                   | Evergreen shrub to 15', even spaced branches form tiers of shiny green fragrant leaves, white flowers in spring, purple to red fruits in summer (S/C/E)   |
| Combretum      | coccineum     |         |             | Lemur Creeper                 | Evergreen vine to 30', masses of bottlebrush type red flowers bloom for several weeks in summer followed by winged dry fruits (B)                         |
| Combretum      | fruticosum    |         |             | Chamaeleon Vine               | Evergreen vine to 30', masses of bottlebrush type flowers turn from chateuse to bright orange, flowers several weeks in August (B)                        |
| Coprosma       |               |         | Coppershine | Coppershine Coprosma          | Rounded shrub to 6', covered with small, leathery, bright copper colored leaves, copper color brightens in winter (W/)                                    |
| Dahlstedia     | pinnata       |         |             |                               | Evergreen tree to 20', red tubular flowers under the canopy in summer, somewhat frost tender                                                              |
| Dicliptera     | suberecta     |         |             |                               | Herbaceous perennial to 3', felted white leaves and stems, tubular orange flowers in summer (W/B)                                                         |
| Duranta        | erecta        |         |             | Golden Dewdrop                | Evergreen shrub to 15', drooping branches end in sprays of violet blue flowers spring-fall, long lasting orange berries fall-winter (B/C)                 |
| Eremophila     | glabra        |         |             | Common Emu Bush               | Spreading shrub to 5', gray green leaves, solitary yellow-orange tubular flowers in spring-fall (W/B)                                                     |
| Eriocephalus   | africanus     |         |             | African Rosemary              | Compact evergreen shrub to 4'x8' wide, gray foliage, white flowers in fall (W/A/B)                                                                        |
| Erythrina      | herbacea      |         |             | Cardinal Spear                | Deciduous shrub to 5', heart shaped leaves, bright red tubular flowers crown the growing tip of the stems (B)                                             |
| Erythrina      | latissima     |         |             | Large-leaf Coral Tree         | Tree to 30', can be deciduous in colder climates, largest leaves of the coral trees, bright red tubular flowers in spring (W)                             |
| Grabowskia     | duplicata     |         |             |                               | Large spiny shrub, blue-green leaves gives the plant a blue gray hue, violet flowers in summer (W/A)                                                      |
| Graptophyllum  | excelsum      |         |             | Scarlet Fuschia               | Erect evergreen shrub, red flowers over a long season (A/B)                                                                                               |



| Genus         | Species         | Variety | Cultivar        | Common Name                        | Description                                                                                                                                                            |
|---------------|-----------------|---------|-----------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hakea         | leucoptera      |         |                 | Pincushion Tree                    | Evergreen shrub to 6', open habit, gray-green needle-like leaves (W/A)                                                                                                 |
| Harpullia     | arborea         |         |                 |                                    | Evergreen tree to 35', large glossy green leaves, showy orange fruits open to reveal glossy black seeds in fall & winter                                               |
| Homalanthus   | populifolius    |         |                 | Queensland Poplar                  | Evergreen tree to 15', large dark green leaves with coppery veins/petioles, lowest leaves are red-orange all year, milky juice used as black dye for rattan (A/U)      |
| Homalocladium | platycladium    |         |                 | Ribbon Plant                       | Novelty shrub to 6', dark green flat stems give this plant its name, flowers inconspicuous, tiny red fruits in fall (C/W)                                              |
| Hymenosporum  | flavum          |         |                 | Sweetshade                         | Evergreen tree to 40', upright structure, large fragrant yellow flowers in summer (A/S)                                                                                |
| Ilex          | paraguariensis  |         |                 | Yerba Mate                         | Evergreen shrub to 20', prune to keep small, dark green leaves on straight upright stems, red-brown fruit, source of Argentina's naturally caffeinated drink mate (U)  |
| Iochoroma     | cyaneum         |         |                 | Violet Tubeflower                  | Evergreen shrub to 8', large dark green leaves, large clusters of deep purple, tubular flowers in summer (B)                                                           |
| Jasminum      | sambac          |         | Grand Duke      | Double white Arabian Jasmine       | Evergreen shrub to 5', added to tea to make jasmine tea, very fragrant, white, double flowers used to make perfume (C/S/U)                                             |
| Juanulloa     | aurantiaca      |         |                 |                                    | Perennial shrub to 5', drooping branches bear terminal racemes of long tubular orange flowers in spring-fall, epiphytic in Peru, grow in moist well-drained garden (C) |
| Juniperus     | chinensis       |         | Mint Julep      | Juniper                            | Evergreen shrub to 8', vase shaped growth habit, mint green foliage                                                                                                    |
| Justicia      | aurea           |         |                 |                                    | Herbaceous perennial to 6', large light green leaves, terminal spikes of yellow flowers in summer-fall                                                                 |
| Justicia      | leonardii       |         |                 |                                    | Perennial shrub to 3', long velvety leaves, tubular orange flowers spring-fall (W/B)                                                                                   |
| Justicia      | sericea         |         | Inca Queen      |                                    | Exotic shrub to 3', dark green foliage, red tubular solitary flowers summer-fall                                                                                       |
| Leucophyllum  |                 |         | Zaragoza        | Chihuahuan Sage                    | Evergreen shrub to 7', round dense growth habit, white felted leaves show off the display of deep purple flowers in summer-fall (W)                                    |
| Leucophyllum  | laevigatum      |         |                 | Chihuahuan Sage                    | Evergreen shrub to 5', round dense growth habit, display of deep purple flowers in summer-fall (W)                                                                     |
| Lonicera      | hildebrandtiana |         |                 | Giant Bumese Honeysuckle           | Evergreen vine , fast growing, large plant with large dark green leaves, 7" tubular yellow flowers in summer are fragrant (S/B)                                        |
| Maireana      | sedifolia       |         |                 | Pearly Bluebush                    | Evergreen shrub to 3', small white succulent leaves on arching branches (W/A)                                                                                          |
| Melaleuca     | incana          |         | Prostrata       | Dwarf Woolly Honey Myrtle          | Evergreen shrub to 3' x 6' wide, new growth felted white, leaves small & narrow, mounding growth habit                                                                 |
| Melaleuca     | linariifolia    |         |                 | Snow-In-Summer                     | Evergreen tree to 30', arching branches make for a nice canopy, flaking white bark lends to its common name, small white flowers in summer (W/A)                       |
| Montanoa      | grandiflora     |         |                 | Daisy-flower Tree                  | Evergreen shrub to 12', large leaves, many yellow centered, white daisy like flowers in fall, flowers smell of cookies (S/B)                                           |
| Myoporum      | parvifolium     |         | Narrow Leaf     | Creeping Boobialla                 | Ground cover 3" tall to 9' wide, dark green thin leaves make for a soft ground cover in a no traffic area, covered in white flowers in summer (W/A)                    |
| Nashia        | inaguensis      |         |                 | Moujean Tea                        | Evergreen shrub to 3', small, shiny, dark green leaves, used in tea (U)                                                                                                |
| Odontonema    | callistachys    |         |                 |                                    | Evergreen perennial to 6', medium green leaves, terminal spikes of pink-lavender 2-lipped flowers in winter-spring                                                     |
| Peltophorum   | africanum       |         |                 | Yellow African Flamboyant          | Shade tree to 30' x 60' wide, leaves finely divided, showy yellow flowers in summer                                                                                    |
| Peltophorum   | pterocarpum     |         |                 | Yellow Flame Tree                  | Shade tree to 80' x 30', tall habit forms a nice canopy near the top of the tall trunk, very fragrant yellow flowers in summer                                         |
| Podocarpus    | macrophyllus    |         | Select Spreader | Dwarf Yew Pine                     | Evergreen spreading shrub to 3' x 5'wide, dark green narrow leaves grow spirally from stems giving a brush-like appearance, slow growing (C)                           |
| Poliomintha   | bustamante      |         |                 | Mexican Oregano                    | Herbaceous perennial to 3', fragrant leaves smell like oregano, spikes of long, tubular light purple flowers in summer (W/S/B)                                         |
| Prostanthera  | rotundifolia    |         |                 | Round Leafed Mint Bush             | Evergreen shrub to 8', dense, round growth habit, leaves mint scented, clusters of purple flowers spring (W/A/S)                                                       |
| Quercus       | agrifolia       |         |                 | Coast Live Oak                     | Evergreen spreading tree to 20-70', dark green holly-like leaves, native to southern California, little or no summer water (W/E/U)                                     |
| Quercus       | engelmannii     |         |                 | Engelmann Oak                      | Evergreen spreading tree to 60', smooth, light green leaves, native to southern California, little or no summer water (W/E/U)                                          |
| Ruellia       | macrantha       |         |                 | Christmas Pride                    | Perennial shrub to 4', multistemmed with large bell-shaped, purple rose flowers in summer                                                                              |
| Senna         | wislizenii      |         |                 |                                    | Rounded shrub to 6', small round light green leaves, yellow globe shaped flowers in summer-fall (W)                                                                    |
| Stevia        | rebaudiana      |         |                 | Sweet Herb of Paraguay             | Herbaceous perennial to 3' x 3', small leaves are very sweet, can be used as a fat free sweetener (S/U)                                                                |
| Streptosolen  | jamesonii       |         |                 | Marmelade Bush                     | Evergreen vining shrub to 4', shiny, dark green leaves, large display of orange flowers nearly year-round (W/B)                                                        |
| Syzygium      | paniculatum     |         | Pearly Showers  | Variegated Australian Brush Cherry | Evergreen shrub to small tree to 30', variegated leaves of green, red and yellow, showy purple fruits in fall (A/E)                                                    |
| Tagetes       | lucida          |         |                 | Sweet Marigold                     | Herbaceous perennial to 2', scented dark green leaves smell of tarragon, small yellow flowers in fall (S/U)                                                            |
| Xanthorrhoea  | quadrangulata   |         |                 | Australian Grass Tree              | Evergreen tree-like perennial to 12', slow growing, dense tufts of grass-like leaves out of the top of a woody trunk (W)                                               |

TROPICALS & HOUSE PLANTS

|              |                 |  |         |              |                                                                                                                        |
|--------------|-----------------|--|---------|--------------|------------------------------------------------------------------------------------------------------------------------|
| Brighamia    | insignis        |  |         |              | Rare Hawaiian plant, waxy leaves atop a solitary trunk, large tubular yellow flowers have a light scent (S)            |
| Clerodendron | thompsonii      |  |         |              | Evergreen shrubby vine, cold sensitive, flowers on end of branches are bell-shaped red-pink and white                  |
| Cordyline    | sp.             |  |         |              | Solitary trunk with spade shaped leaves, dark maroon leaves have a bright pink margin                                  |
| Ludisia      | discolor        |  |         | Jewel Orchid | Sprawling ornamental orchid, dark leaves with red veination, 4" spike of small white orchid flowers                    |
| Philodendron | glanduliferum   |  |         |              | Evergreen tropical vine, 8" rounded leaves                                                                             |
| Philodendron | gloriosum       |  |         |              | Sprawling thick stemmed tropical evergreen, leaves with white veins make for a very ornamental tropical plant          |
| Philodendron | rugosum Pigskin |  | Pigskin | Philodendron | Sprawling tropical evergreen, large heart-shaped leaves that have an unusual leather-like texture                      |
| Plumbago     | indica          |  |         |              | Sprawling perennial shrub, mounding to 2', bright coral flowers in sprays at ends of slender tubular branches          |
| Zamioculcas  | zamiifolia      |  |         |              | Curious looking tropical plant to 2', evergreen perennial forming tubers at the base with erect, glossy divided leaves |



THE BOTANICAL ARTISTS GUILD  
OF SOUTHERN CALIFORNIA  
*Presents a Botanical Art Exhibit*



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## SPRING BOUQUET 2003

THE GLORY OF BOTANICAL ART

*Saturday, March 29–Sunday April 6, 2003*

*Gallery Hours: Daily, 9:30am–4:30pm*

*Lecture/Demonstrations*

*Saturday, April 5, 11:30am–1:30pm*

The Arboretum of Los Angeles County—Peacock Cafe Annex  
301 North Baldwin Avenue, Arcadia, California 91007 626-821-4623



Kawamura and practice Moribana, Heika and landscape arrangement techniques. Individual instruction is given. Bring a 10"-12" shallow container, clippers and a needle holder (frog) to the first class.

### **BOTANICAL ILLUSTRATION I: BASIC DRAWING IN GRAPHITE**

**4 Wednesdays,  
Feb. 19 - March 12**

**9 am - Noon**

**Lecture Hall B**

**Olga Eysymontt,  
Instructor**

**\$120 members,  
\$140 non-members**

Learn to observe and to render form accurately. This class will help both beginner and experienced students, wishing to fine-tune their drawing skills.

### **WATERCOLOR FOR BOTANICAL ILLUSTRATION**

**Session I:  
6 Thursdays  
Feb. 20 - March 27**

**Session II:  
6 Thursdays  
April 3 - May 8**

**9 am - Noon**

**Lecture Hall B**

**Olga Eysymontt,  
Instructor**

**\$180 members,  
\$200 non-members**

This intermediate-advanced course emphasizes more complicated subject matter, plant structure and composition. It builds upon the exercises done in Introduction to Watercolor for Botanical Illustration and focuses on form, light and color. Prerequisite: Introduction to Watercolor or Botanical Illustration I: Drawing in Graphite or by permission of instructor.



### **CREATING A BACKYARD HABITAT: BIRDS, BEES & OTHER CRITTERS**

**Monday, March 10  
10 am - Noon**

**Lecture Hall B**

**Marc Hall, California  
Certified Nurseryman,  
Instructor**

**\$15 / \$18 non-member**

Learn about life cycles and how to provide a sanctuary for our valuable pollinators and fauna. Attract wildlife such as birds, butterflies, small mammals and other creatures to your garden.

This could mean something as simple as planting a few host plants for butterflies or as elaborate as creating a place that provides food, water and winter refuge for all kinds of wildlife.

### **BOTANICAL ILLUSTRATION II: DRAWING PLANTS**

**6 Wednesdays,  
March 19 - April 23**

**9 am - Noon**

**Lecture Hall B**

**Olga Eysymontt,  
Instructor**

**\$180 members,  
\$200 non-members**

A continuation of Botanical Illustration I: Basic Drawing in Graphite, this class focuses on the structure of plant and leaf forms. Pencil techniques are demonstrated.

### **GARDENING & COOKING IN A MEDITERRANEAN CLIMATE**

**Tuesdays,  
March 11 - April 15**

**10 am - Noon**

**Ayres Hall**

**Jill Vig and Steven  
Mary, Instructors**

**\$95 members /  
\$115 non-members**

Sponsored in part by Whole Foods Market in Hastings Ranch. We not only enjoy the rare beauty of a Mediterranean climate, but also the cuisine based largely on fruits, vegetables and nuts that thrive here. Instructors Jill Vig and Steven Mary look at a whole new palette of plants. Jill will discuss the history and culture of a particular plant and Chef Steven Mary from Pasadena's Ritz-Carlton will demonstrate his unique recipes, and the class will sample his dishes for a light lunch.

### **THE GREAT TOMATO SALE & TALK**

**Tuesday, March 25**

**10 - 11:30 am**

**Lecture Hall A**

**Steve Goto, Instructor**

**Free to Members / Free  
to Non-Members with  
Arboretum Admission**

Back by popular demand! Join us for a lecture, slide show and Steve Goto's Top 25 Tomato Picks for 2003! Learn to plant and harvest the best tomatoes for our area. Then, attend THE GREAT TOMATO SALE. Don't miss the large selection of heirloom tomato plants from Goto Nursery, a tomato supplier to many nurseries throughout Southern California.

### **ETHNOBOTANICAL LECTURE SERIES:**

**Plants, Culture, and  
Religion in the  
Golden Land of  
Burma**

**Wednesday, April 2  
7:30 pm**

**Ayres Hall**

**\$8 students / \$10 members  
/ \$12 non-members**

**W. John Kress, Research  
Scientist and Curator,  
Head of Botany,  
United States National  
Herbarium,  
National Museum of  
Natural History,  
Smithsonian Institution**

### **COLOR PENCIL FOR BOTANICAL ILLUSTRATION: TECHNIQUE AND APPLICATION**

**6 Wednesdays  
April 30 - June 4**

**9 am - Noon**

**Lecture Hall B**

**Olga Eysymontt,  
Instructor**

**\$180 members, \$200  
non-members**

Color pencil combines the sensuality of color with the impulsiveness of drawing. Color layering and understanding how colors interact with each other is emphasized.

### **GARDENING BASICS**

**6 Wednesdays  
March 5 - April 9**

**10 am - Noon**

**Education Greenhouse**

**Instructor: Lisa M. Beach**

**\$65 / \$80 non-members**

Basic Theme Gardens:  
3/5 Container Gardens  
3/12 Vegetable Gardens  
3/19 Fragrance Gardens  
3/26 Drought Tolerant  
Gardens  
4/2 Butterfly &  
Hummingbird  
Gardens  
4/9 Edible Flower  
Gardens

Learn the essentials of planting specialty gardens.

### **THE ABC'S OF PLANTS: TAUGHT IN KOREAN**

**Saturday, April 19**

**2 - 4 pm**

**Lecture Hall A**

**Jae Soon Song, Instructor**

**\$15 members / \$18 non-  
members**

Learn how a garden grows. View and identify plants in their environment. Learn basic tree structure, function, photosynthesis, and how trees relate to each other. This is the first in a series of classes taught in Korean about plant botany and planning and tending a successful garden.

### **GARDEN PHOTOGRAPHY SERIES**

**Wednesdays, April 23 & 30  
7 - 9 pm Lecture Hall B**

**Sunday, April 27  
8 - 11 am**

**in the Garden**

**Deidra Walpole,  
Instructor**

**\$75 members / \$85  
non-members**

Join garden and landscape photographer Deidra Walpole in a garden photo adventure. Learn to capture on film the beauty of flowers and gardens. The first session will cover garden photography basics including equipment, film, natural light, designing a garden photograph, and more. Next, spend a spring morning in The Arboretum taking pictures, which will be discussed during the final class slide show. Visit her website at: [www.deidrawalpole.com](http://www.deidrawalpole.com).

### **SAVE THE DATE:**

### **MAKE BEAUTIFUL BOOKS BY HAND**

**Saturday, May 10**

**Wendy Poma,  
Instructor**



| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|--------|--------|---------|-----------|----------|--------|----------|
|--------|--------|---------|-----------|----------|--------|----------|

**Free Arboretum Admission:** Third Tuesday of each month.

**Bird Watching:** First Sunday of each month, meet at the entrance (rotunda) at 8 am for a guided walk to identify birds in The Arboretum. Free with admission.

**Santa Anita Depot:** Open Tues. and Weds, 10 am-4 pm; Sundays, 1-4 pm. Free with admission.

**Tai Chi:** Every Tuesday and Friday from 7:30 - 8:30 am; meet on the lawn near Balwin Avenue entrance. Free for members.

February

1 Garden Sprouts  
Otis College Botanical Watercolor  
Family Adventures  
Plein Air

|                                                                                   |                                                                                        |                                                                                            |                                                                                            |                                                                                                               |                                                                             |                                                                                                                                  |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| 2<br>Otis College Botanical Drawing                                               | 3<br>Watercolor Workshop<br>Hort. Science<br>Trees & Shrubs                            | 4<br>Tai Chi                                                                               | 5<br>Gardening Basics<br>Advanced Color Pencil                                             | 6<br>Thursday Morning Seminars<br>Introduction to Watercolor                                                  | 7<br>Compulsive Gardeners<br>Ikebana<br>Tai Chi                             | 8<br>Plein Air                                                                                                                   |
| 9                                                                                 | 10<br>Watercolor Workshop<br>Hort. Science<br>Trees & Shrubs                           | 11<br>Tai Chi                                                                              | 12<br>Gardening Basics<br>Advanced Color Pencil                                            | 13<br>Thursday Morning Seminars<br>Introduction to Watercolor                                                 | 14<br>Compulsive Gardeners<br>Ikebana<br>Tai Chi                            | 15<br>Otis College Botanical Watercolor<br>Plein Air                                                                             |
| 16<br>Mushroom Fair<br>Gardening 101<br>Otis College Botanical Drawing            | 17<br>Watercolor Workshop<br>Hort. Science<br>Trees & Shrubs                           | 18<br>Tai Chi                                                                              | 19<br>Gardening Basics<br>Botanical Illustration-Basic Drawing                             | 20 Fresh!<br>Thursday Morning Seminars<br>Watercolor for Bot. Illustration Session 1                          | 21<br>Compulsive Gardeners<br>Ikebana<br>Tai Chi                            | 22<br>Plein Air                                                                                                                  |
| 23                                                                                | 24<br>Watercolor Workshop<br>Hort. Science<br>Trees & Shrubs                           | 25<br>Tai Chi                                                                              | 26<br>Gardening Basics<br>Botanical Illustration-Basic Drawing                             | 27<br>Thursday Morning Seminars<br>Watercolor for Bot. Illustration Session 1                                 | 28<br>Compulsive Gardeners<br>Ikebana<br>Tai Chi                            | 1<br>Gem & Mineral Show<br>Garden Sprouts<br>Family Adventures<br>Otis Bot. Watercolor                                           |
| 2<br>Gem & Mineral Show<br>Otis College Botanical Drawing                         | 3<br>Hort. Science<br>Trees & Shrubs                                                   | 4<br>Tai Chi                                                                               | 5<br>Botanical Illustration-Basic Drawing<br>Gardening Basics                              | 6<br>Fresh!<br>Watercolor for Bot. Illustration Session 1                                                     | 7<br>Tai Chi                                                                | 8<br>Environmental Education Fair                                                                                                |
| 9                                                                                 | 10<br>Creating a Backyard Habitat<br>Hort. Science<br>Trees & Shrubs                   | 11<br>Gardening & Cooking in a Mediterranean Climate<br>Tai Chi                            | 12<br>Botanical Illustration-Basic Drawing<br>Gardening Basics                             | 13<br>Watercolor for Bot. Illustration Session 1                                                              | 14<br>Tai Chi                                                               | 15<br>Arbor Day Tree Give-Away<br>Otis College Botanical Watercolor                                                              |
| 16<br>Gardening 101<br>Arbor Day Tree Give-Away<br>Otis College Botanical Drawing | 17<br>Watercolor Workshop<br>Hort. Science<br>Trees & Shrubs                           | 18<br>Gardening & Cooking in a Mediterranean Climate<br>Tai Chi                            | 19<br>Drawing Plants<br>Gardening Basics                                                   | 20<br>Watercolor for Bot. Illustration Session 1                                                              | 21<br>Tai Chi                                                               | 22<br>Orchid Show<br>Fresh!                                                                                                      |
| 23<br>Orchid Show                                                                 | 24<br>Watercolor Workshop<br>Hort. Science<br>Trees & Shrubs                           | 25<br>Gardening & Cooking in a Mediterranean Climate<br>The Great Tomato Sale<br>Tai Chi   | 26<br>Drawing Plants<br>Gardening Basics                                                   | 27<br>Thursday Morning Seminars<br>Watercolor for Bot. Illustration Session 1                                 | 28<br>Compulsive Gardeners<br>Ikebana<br>Tai Chi                            | 29<br>Ikebana Show<br>Botanical Art Exhibition<br>Otis Bot. Watercolor                                                           |
| 30<br>Ikebana Show<br>Botanical Art Exhibition<br>Otis Bot. Watercolor            | 31<br>Botanical Art Exhibit.<br>Watercolor Workshop<br>Hort. Science<br>Trees & Shrubs | 1<br>Botanical Art Exhibition<br>Gardening & Cooking in a Mediterranean Climate<br>Tai Chi | 2<br>Ethnobotanical Lecture<br>Botanical Art Exhibit<br>Drawing Plants<br>Gardening Basics | 3 Fresh!<br>Botanical Art Exhibition<br>Thurs. Morning Seminars<br>Watercolor for Bot. Illustration Session 2 | 4<br>Botanical Art Exhibition<br>Compulsive Gardeners<br>Ikebana<br>Tai Chi | 5<br>Iris Show<br>Botanical Art Exhibit<br>Otis Bot. Watercolor<br>Garden Sprouts<br>Family Adventures<br>Korean Garden Festival |
| 6<br>Iris Show<br>Botanical Art Exhibition<br>Otis College Botanical Drawing      | 7<br>Watercolor Workshop<br>Hort. Science<br>Trees & Shrubs                            | 8<br>Gardening & Cooking in a Mediterranean Climate<br>Tai Chi                             | 9<br>Drawing Plants<br>Gardening Basics                                                    | 10<br>Thursday Morning Seminars<br>Watercolor for Bot. Illustration Session 2                                 | 11<br>Compulsive Gardeners<br>Ikebana<br>Tai Chi                            | 12                                                                                                                               |
| 13                                                                                | 14<br>Watercolor Workshop<br>Hort. Science<br>Trees & Shrubs                           | 15<br>Gardening & Cooking in a Mediterranean Climate<br>Tai Chi                            | 16<br>Drawing Plants                                                                       | 17<br>Thursday Morning Seminars<br>Watercolor for Bot. Illustration Session 2                                 | 18<br>Compulsive Gardeners<br>Ikebana<br>Tai Chi                            | 19<br>Amaryllis & Bulb Show<br>The ABC's of Plants-Taught in Korean                                                              |
| 20<br>Amaryllis & Bulb Show<br>Easter                                             | 21<br>Watercolor Workshop<br>Hort. Science<br>Trees & Shrubs                           | 22<br>Tai Chi                                                                              | 23<br>Drawing Plants<br>Garden Photography Series                                          | 24<br>Thursday Morning Seminars<br>Watercolor for Bot. Illustration Session 2                                 | 25<br>Compulsive Gardeners<br>Ikebana<br>Tai Chi                            | 26<br>Rose Show<br>Flower Arranging Show                                                                                         |
| 27<br>Rose Show<br>Garden Photo Series<br>Gardening 101<br>Flower Arranging Show  | 28<br>Watercolor Workshop<br>Hort. Science<br>Trees & Shrubs                           | 29<br>Tai Chi                                                                              | 30<br>Color Pencil<br>Garden Photography Series                                            |                                                                                                               |                                                                             |                                                                                                                                  |



# THE ALLSPICE TREE: A FLAVORFUL MEMBER OF THE ARBORETUM COLLECTION

*On walking tours of The Arboretum, I like to engage the group by breaking off a small piece of the leaf of a small tree growing in our tropical greenhouse.*

I crush it and pass it around and ask everyone "What does this smell like to you?" The enticing aroma is hard to identify. Some say cloves, others nutmeg, and some even think of cinnamon. In fact, these leaves have oils with hints of each of the above spices plus even the smell of juniper berries.

These aromatic leaves come from the Allspice tree (*Pimenta dioica*), the source of the famous allspice berries as well as the aromatic leaves and wood. This tree is a member of the Myrtle family (*Myrtaceae*) and can be found growing wild from eastern and southeastern Mexico through Central America and the Caribbean. It is a small evergreen tree to 30 feet tall with oblong, leathery, aromatic leaves with glandular dots on its undersides.

The fruit is harvested while immature when it is considered most strongly flavored; the whole dried ground fruit constitutes the allspice powder of commerce. The pea-sized dried fruits are used to flavor pickles, sauces, ketchup, sausages, soups, ice cream, etc. The leaves may be used as a condiment or steeped into tea.

Jamaica is the main exporter and produces the highest quality berries. In Jamaica, the use of allspice as a seasoning has reached its highest level of development. Allspice is a primary ingredient in Jamaican jerk foods.

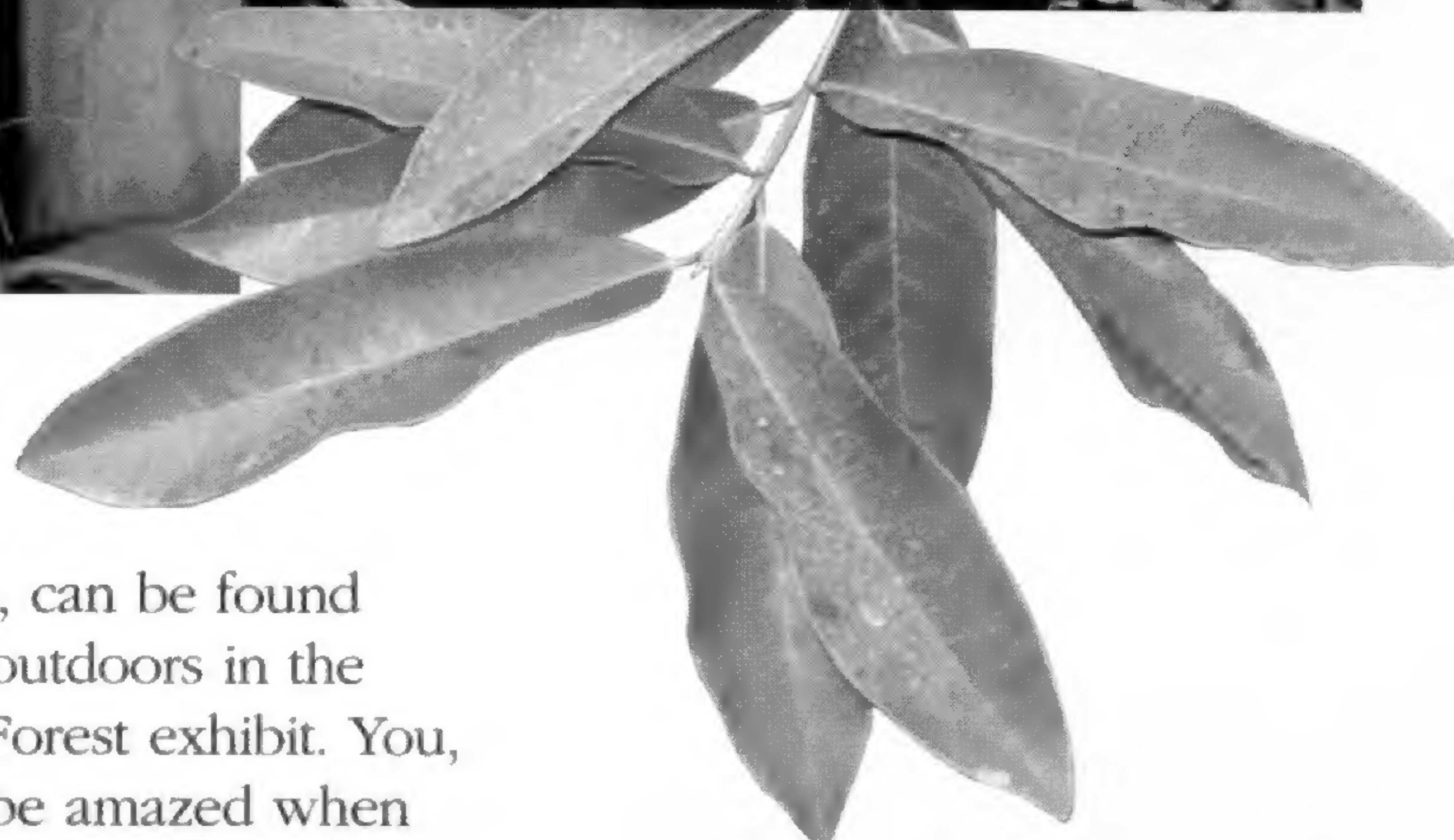
Meats marinated in a mixture of allspice, chili powder, garlic and onion, vinegar or lime juice, and other seasonings are barbecued or grilled, often over allspice wood. Also, soaking allspice berries in rum results in a traditional Jamaican liqueur called "Pimento dram."

The Arawak Indians of the Caribbean used allspice to preserve meat and fish. It is said that their term for such cured meats 'boucan' gave rise to the term 'buccaneer' referring to the pirates who used the island of Jamaica as a base for raiding shipping. Pirates and other sailors adopted this tradition to help preserve meat and fish on long voyages.

Besides its value in cooking, allspice berries have been used in traditional healing in the Caribbean. Allspice is said to promote digestion and alleviate muscle pain. The main oil, eugenol, is effective in relieving toothaches. Jamaicans drink hot allspice tea for colds, menstrual cramps and upset stomach.

Allspice has been successfully grown outdoors in Southern California, although the berries are only produced when both male and female trees are flowering in proximity.

Besides the Tropical Greenhouse, another healthy specimen, a gift from David



Oberman, can be found growing outdoors in the Tropical Forest exhibit. You, too, will be amazed when you encounter this most useful tree, one of the amazing array of ethnobotanically important plants in The Arboretum's collections.

*Contributed by Jim Bauml  
Senior Biologist*

WEDNESDAY, APRIL 2

## ETHNOBOTANICAL LECTURE SERIES: PLANTS, CULTURE, AND RELIGION IN THE GOLDEN LAND OF BURMA

W. John Kress, Research Scientist and Curator, Head of Botany, United States National Herbarium, National Museum of Natural History, Smithsonian Institution will present a lecture on Burmese plants, culture and religion on Wednesday, April 2, at 7:30 pm in Ayres Hall. The cost for this fascinating lecture is \$8 students / \$10 members / \$12 non-members.





# BRITISH GARDENING EXPERT CHRISTOPHER LLOYD TO VISIT THE ARBORETUM

*Rare North American tour features renowned  
English author and garden designer*

Known for his amazing approach to garden design, color theory and the use of plants and architecture in the landscape, British gardening expert Christopher Lloyd has charmed horticultural fans around the globe with his books and appearances on BBC-Television.

To the delight of Los Angeles gardening enthusiasts, The Arboretum will host Lloyd for a lecture on Thursday, May 22, from 3:00 to 6:00 pm in Ayres Hall. Joining Christopher Lloyd will be Fergus Garrett, head gardener at Great Dixter and a well-known lecturer and author.

Christopher Lloyd is the genius behind the famous Great Dixter Home & Gardens in England, one of the most experimental, exciting and constantly changing gardens of our time. He has been awarded the Royal Horticultural Society's Victoria Medal of Honor and is the celebrated author of countless garden design books, including *Color for Adventurous Gardeners*, *Christopher Lloyd's Gardening Year* and *The Well-Tempered Garden*, among others. North American fans have read his articles in *Horticulture*, and now in *The Gardener*.

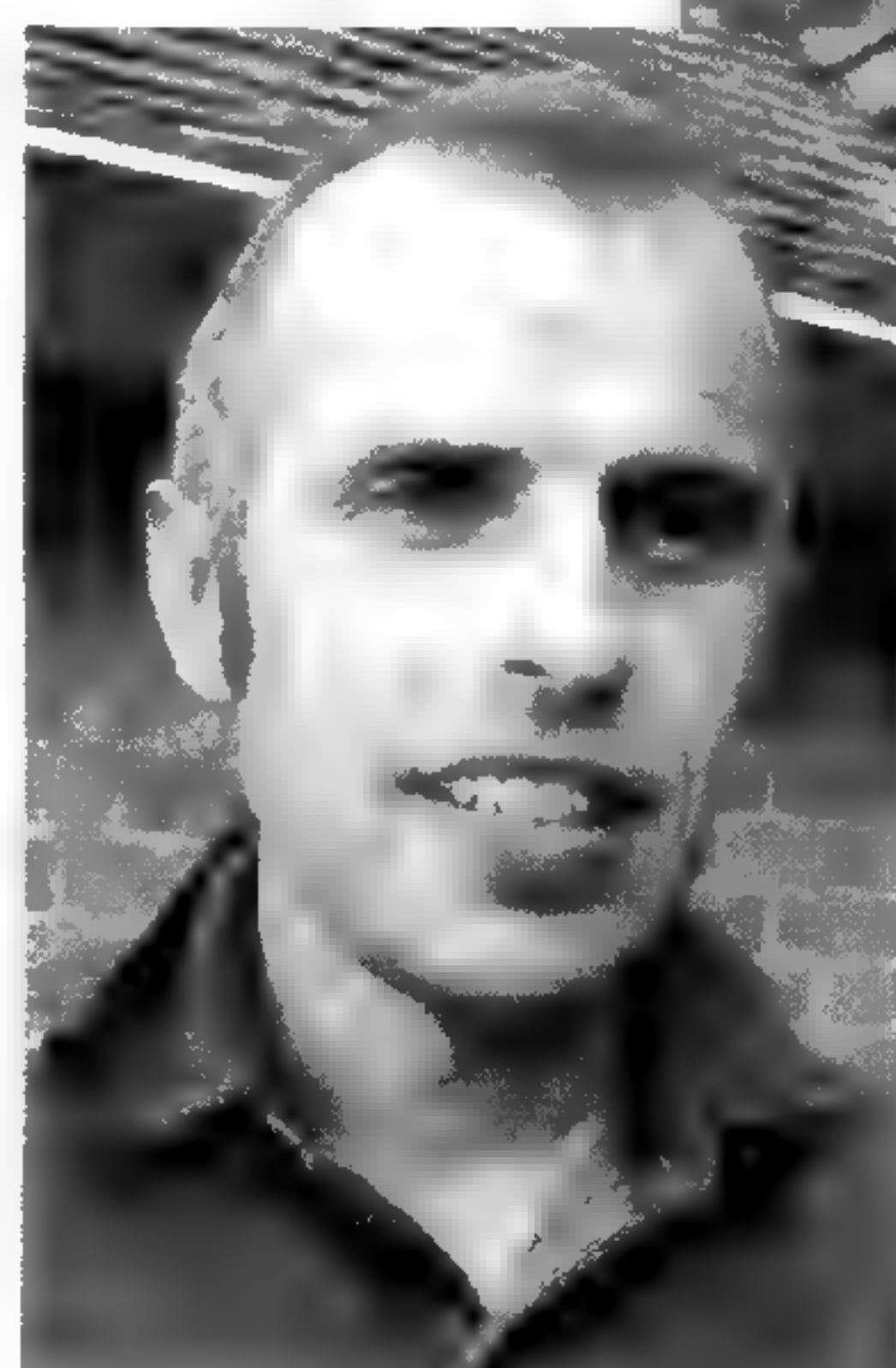
Fergus Garrett received a degree in horticulture at Wye College. He worked at The Beth Chatto Nursery and has designed and run gardens in France and Switzerland. His most recent design is a 290-foot mixed border on the grounds of White Flower Farm in Connecticut. Garrett joined

the staff of Great Dixter in 1993. He contributes articles to *Gardens Illustrated*, *The Gardener* and *Hortus*. Garrett is especially interested in the history and preservation of the bulbs and plants of Turkey, where he spent much of his life.

In addition to the lecture at The Arboretum, The Christopher Lloyd-Fergus Garrett North American Lecture Tour includes Vancouver, B.C., Seattle, Portland, Denver and Chicago.



Christopher Lloyd



Fergus Garrett

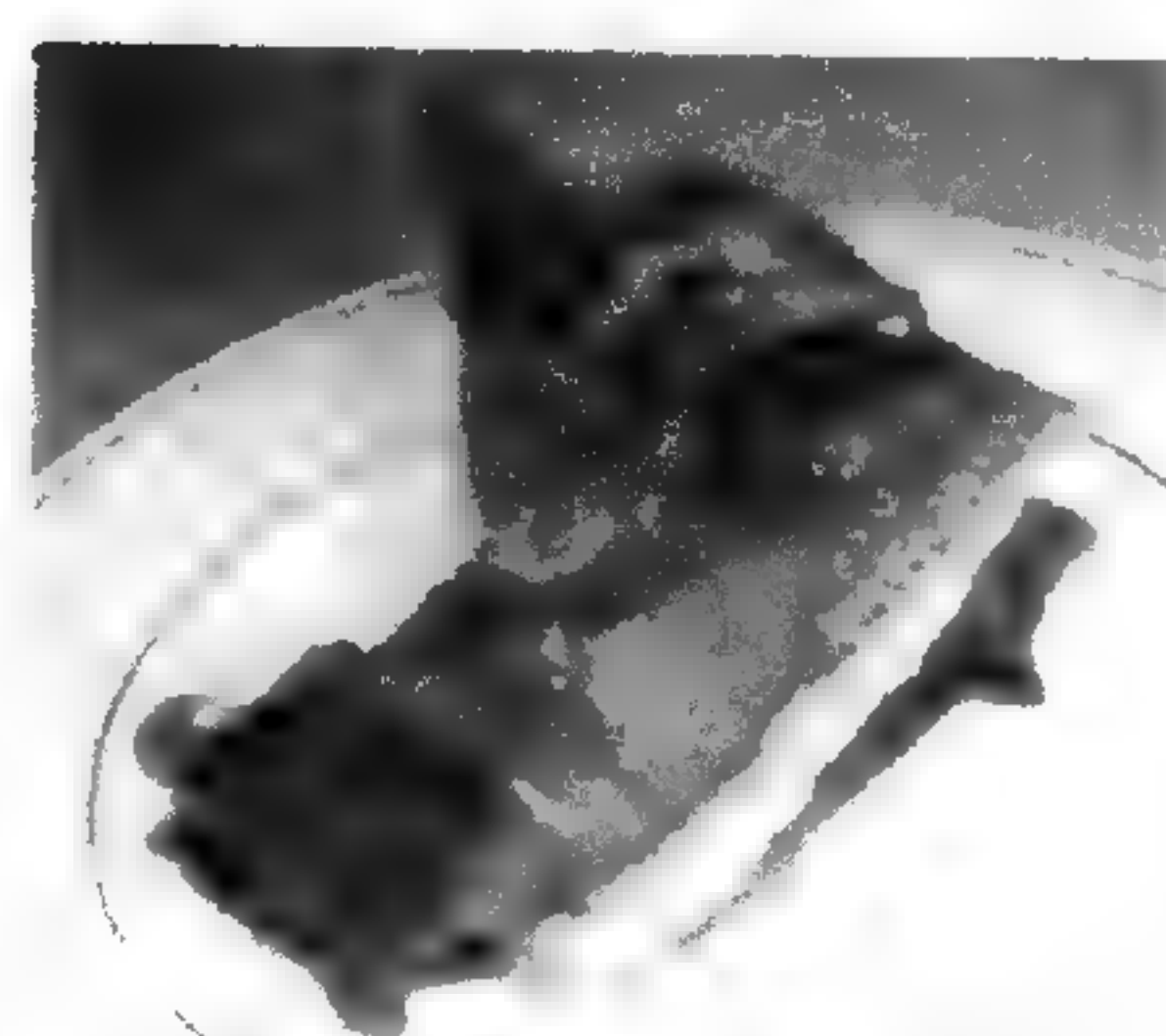
**Tickets for the lecture are \$25 for members and \$35 for non-members, and can be purchased by calling 626-821-4624 or 821-4623. Seating is limited.**

## FRESH COOKING SERIES

## FRESH HAPPENINGS

These photos were taken at the Fresh Cooking Class featuring Mark Gold, Executive Chef from Cafe Pinot, in his class "Sumptuous Seafood." Please see the calendar for a complete list of exciting classes for 2003.

Peg Rahn and Mark Gold.



Photos: Walt Mancini

## MARK YOUR CALENDAR

February 8 & 9  
SOUTH COAST CLASSIC  
MODEL HORSE EXHIBIT  
10:00 am - 4:00 pm

February 16  
WILD MUSHROOM FAIR  
9:00 am - 4:00 pm

March 1-2  
MONROVIA ROCK HOUNDS  
THE 46TH ANNUAL GEM  
AND MINERAL SHOW  
9:00 am - 4:30 pm

March 22-23  
ORCHID SHOW  
Sat. 9:00 am - 5:00 pm  
Sun. 9:00 am - 4:00 pm

March 29-30  
ICEBERG INTERNATIONAL  
Sat. Noon - 4:00 pm  
Sun. 9:30 am - 4:00 pm

March 29 - April 6  
BOTANICAL ART  
EXHIBITION  
10:00 am - 5:30 pm

April 2  
ETHNOBOTANICAL  
LECTURE SERIES  
DR. JOHN KRESS,  
THE SMITHSONIAN

April 5-6  
SPRING BUS SHOW  
Sat. 12:30 pm - 4:30 pm  
Sun. 9:00 am - 4:30 pm

April 19-20  
AMARYLLIS & BULB  
SHOW & SALE  
Sat. 9:00 am - 4:00 pm  
Sun. Noon - 4:00 pm

April 25-27  
ROSE SHOW  
Sat. 1:30 pm - 5:00 pm  
Sun. 9:00 am - 3:30 pm

April 26 & 27  
FLOWER ARRANGING  
SHOW/LAS ARTISTAS  
DE FLORES  
Sat. 11:00 am - 5:00 pm  
Sun. 10:00 am - 4:00 pm



# JUST FOR KIDS



## FAMILY ADVENTURES

Beginning January 4, on the first Saturday of each month at 2:00pm in the afternoon, under the BIG Oak Tree in front of Ayres Hall, it's Family Adventure time! Each Saturday will have a different theme relating to nature or the environment, and will include a variety of activities as well as a take-home nature craft activity.

Cost is \$10 per family for members, \$14 per family for non-members. Pre-registration preferred; walk-on registration will be accepted while craft supplies last. In the event of rain, the program for that day will be cancelled.



JANUARY 4

### AMAZING CARNIVOROUS PLANTS!

See these amazing plants, tour the Tropical Greenhouse and make a Family Terrarium. See article on this page about carnivorous plants.

FEBRUARY 1

### PAPER OLD AND NEW!

Learn how paper was made from papyrus a long time ago, see it growing near the lake and learn how to make your own paper.

MARCH 1

### MORE TREES PLEASE!

Take a walking tree tour around The Arboretum, learn tree folklore and make leaf magnets to take home!

APRIL 5

### BAMBOO FOR YOU!

Take a hike through the bamboo forest and learn how bamboo grows, and how it is used! Make your own bamboo rain stick!

### "GARDEN SPROUTS" - SATURDAY KIDS GARDENING CLUB!

Calling all 5-8 year olds! This class is just for you. No parents allowed! Join us on the first Saturday of each month, January 4, February 1, and March 1 from 9:00am - 11:00am.

Days are filled with planting and tending the kids-only garden, playing nature games and learning gardening crafts and folklore! Kids will plant their own flowers to take home, make garden art and enjoy the food that they have grown in their Arboretum garden!

Members - \$25/quarter, or \$10/Saturday; Non-Members - \$30/quarter, or \$12/Saturday. Pre-registration for this event is required.

MARCH 8, 9:00 AM TO 3:00 PM

### ENVIRONMENTAL EDUCATION FAIR

Kid's will learn about the environment, conservation and ecology through hands-on natural science projects, free demonstrations and nature games. Free with admission to The Arboretum. For more information visit [www.creec.org](http://www.creec.org)

APRIL 11, 12, 13—9:00 AM TO 5:00 PM

### THE ARCADIA INSECT FAIR

Fun for the entire family. Local and exotic insects, spiders, scorpions, educational displays, equipment, books and supplies, bug shirts and toys. Free with admission to The Arboretum.

# Carnivorous Plants

You know that animals eat plants but did you know that some plants eat animals?

They attract, capture, kill, digest, and absorb their prey. Because they digest and absorb their prey, these plants are called carnivorous plants.

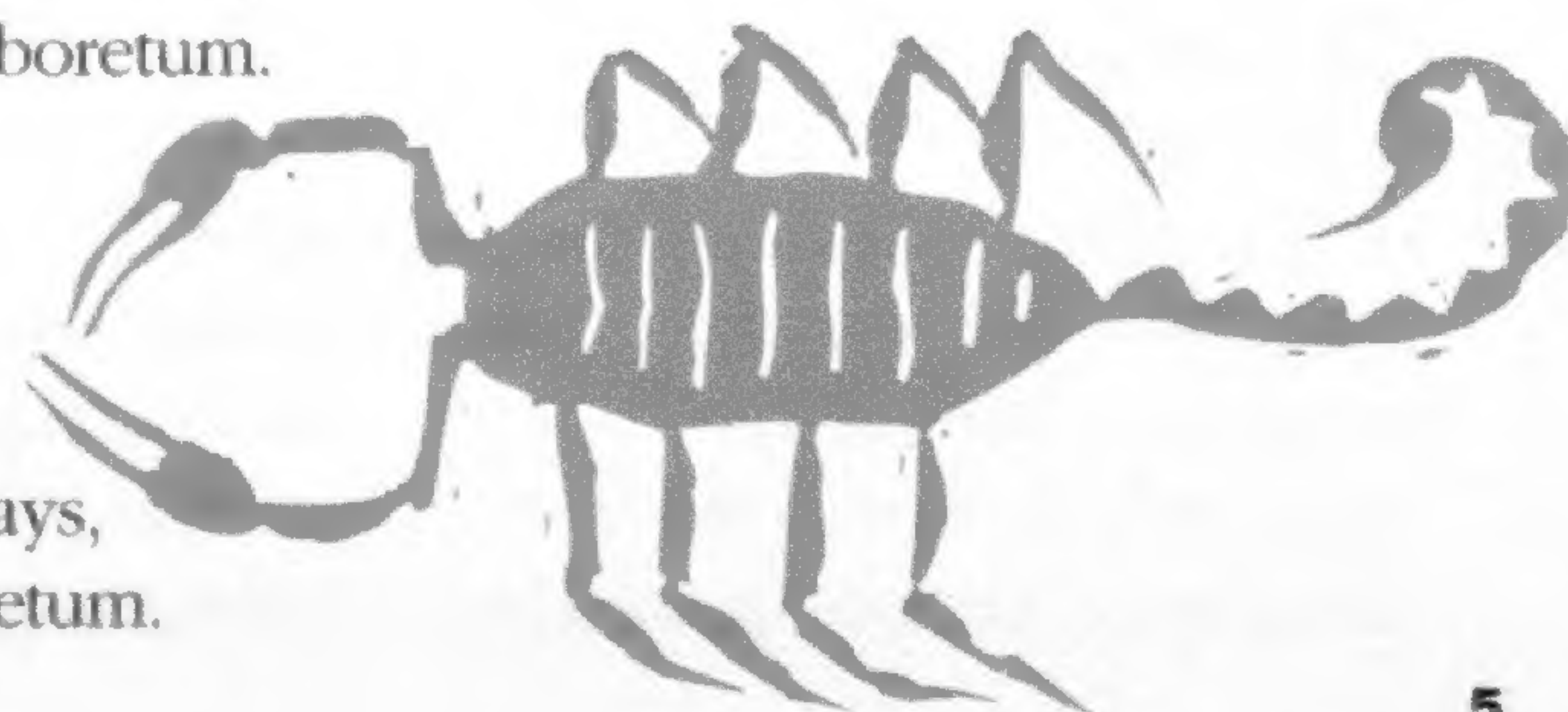
You have probably heard of the Venus Fly Trap, the best-known carnivorous plant. But did you know there are hundreds of other carnivorous plants in the world. Most are found in wetland areas of Asia and South America. In the U.S. they can be found in coastal areas of the south-east and Pacific Northwest.

The largest of the carnivorous plants is the pitcher plant *Nepenthes* from Asia. It can grow to be 30 feet tall. Its urn style traps, called pitchers, can measure 12 inches in length and hold lots of digested insects. Pitcher plants also eat small mammals and reptiles that attempt to steal the insects from the trap.



*Each "pitcher trap" has a lid and its inner surface is smooth with hairs that point down, leading prey into the trap.*

Carnivorous plants use lots of tricks to attract and capture their prey. Some have brightly colored patches on their traps to attract prey, some have sweet scents, some have sticky and gummy parts, or are slippery and wet, or shaped in a way that prevents their prey from escaping. Enzymes and bacteria help break down the animals that get trapped.





# PHOTOSYNTHESIS – WE DON'T JUST EAT IT, WE ALSO BREATHE IT

*Most people are aware of the fact of photosynthesis taking place all around them. Plants absorb light from the sun and use the energy in that light to convert carbon dioxide (CO<sub>2</sub>) into new plant material.*

There is also good general understanding that photosynthesis is the basis of all life on this planet.

Photosynthetic organisms, plants on land, and algae and photosynthetic bacteria in the oceans, are at the base of all food chains. Organisms eat them and are eaten by other organisms, and they, in turn, are eaten by yet other organisms in a food pyramid that ultimately gets to the level of humans, more quickly if you are a vegetarian and a bit slower if you are not.

At this level of understanding of the process, it is obvious that if photosynthesis were to stop tomorrow, almost all life on earth would cease to exist, the exceptions being a limited number of organisms that make a living on inorganic chemicals found in certain unusual environmental circumstances (e.g., hydrogen sulfide found in hydrothermal vents in the deep ocean).

It turns out that we owe even more to photosynthesis than that. Delving into a bit more detail, photosynthesis as carried out by all land plants and algae, and many photosynthetic bacteria, involves converting CO<sub>2</sub>, light and water into sugar plus oxygen (O<sub>2</sub>). The sugar is used to generate new plant material, and oxygen, a byproduct of the process, is released.

Going back 2 to 3 billion years ago, when this version of photosynthesis (known as "oxygenic" photosynthesis for oxygen-producing) first appeared, there was no free oxygen in the atmosphere. In

fact, for up to 1 billion years after the appearance of oxygenic photosynthesis, the oxygen that was released was rapidly converted to water. At some point between 1 and 2 billion years ago, free oxygen began to appear in the atmosphere. That was bad news for many organisms because oxygen is a pretty toxic molecule (but that is another story) and mass extinctions clearly resulted from this development.

However, the appearance of oxygen in the atmosphere was a seminal event for other organisms because it allowed for the evolution of aerobic respiration. That is the process by which organisms metabolize sugars to produce the energy needed to carry out all the reactions that go on in a living cell. Chemically, aerobic respiration converts sugar and oxygen to CO<sub>2</sub>, water and energy, the exact reverse of photosynthesis.

The significance of aerobic respiration to evolution results from the fact that it produces 18 times more energy per unit of sugar used than energy metabolisms that take place in the absence of oxygen (e.g., fermentations). This had a huge effect on evolution because organisms were no longer forced to live on the edge energetically speaking; they suddenly had struck it rich. This led directly to the evolution of the first multi-celled organisms because organisms now produced enough energy to make specialized cells and tissues, a process that has continued on a line through to the appear-

ance of our own species.

Life could exist on earth without free oxygen, but it would be relegated to a collection of single-celled organisms living in aqueous environments. Because humans still rely on aerobic respiration, we have become totally dependent upon oxygen in the atmosphere, and the continued production of that commodity requires continued photosynthesis. As an aside, free oxygen in the atmosphere also led to the appearance of the ozone layer, without which organisms could not live on land, except possibly somewhere like under a rock.

There is much else about



the details of photosynthesis that is fascinating. However, the primary point I would like to get across here is that humans are totally dependent upon photosynthesis, not only as the basis for all of our food production, but also for continuing to produce the oxygen needed to allow us to convert that food into all the components that make up our cells and tissues. Remember that, not only when you sit down to breakfast, but also beforehand during your morning jog.

*Contributed by*

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*Vice Provost for Research,  
Duke University*

APRIL 5, 2003

## 1ST ANNUAL KOREAN GARDEN FESTIVAL

*Celebrating the 100th Anniversary of Korean  
Immigration to the United States*

The First Annual Korean Garden Festival will be held on Ayres Hall lawn on Saturday, April 5, from 9:00 am to 4:30 pm. This all-day cultural event will highlight the Korean culture in a garden setting, sharing with the community at large Korean traditional gardens, music, art, dance, and food.

For the day, Ayres Hall lawn will be transformed into a Korean Village. Several Korean Garden displays, designed by local Korean landscape designers, will highlight the festival. The Korean Village will also feature a food court with traditional Korean foods, various forms of traditional Korean music and dance (including a children's choir), Korean art exhibition, Tae Kwon Do demonstrations, and informal demonstrations and lectures on gardening.

**DON'T MISS THIS EXCITING CLASS:** The ABC's of Plants taught in Korean by Jae Soon Song on Saturday, April 19, from 2:00-4:00pm in Lecture Hall A. The cost is \$15 for members and \$18 non-members.



## GARDENING & COOKING IN A MEDITERRANEAN CLIMATE

As Southern Californians, not only do we enjoy the rare beauty of a Mediterranean climate, but also the flavorful cuisine that is characterized by fruits, vegetables and nuts.

In this class, the second installment of "Gardening & Cooking in a Mediterranean Climate," instructors Jill Vig, Curator of the Water Conservation Garden at The Arboretum, and Chef Steven Mary of Pasadena's Ritz-Carlton, will present a new palette of plants.

During the first hour, Jill will discuss the history and culture of the featured plant. In the second hour, Chef Steven will demonstrate his stunningly original recipes using the plant. Classes conclude with a light lunch to sample the dishes created.

### CLASS FEATURES:

March 11 Fig  
March 18 Pomegranate  
March 25 Lavendar  
April 1 Piñon (Pine) Nut  
April 8 Artichoke/Cardoon  
April 15 Persimmon

This is a series-only course. Cost is \$95 for members, \$115 for non-members.

Reservations are necessary, as space is limited. To register, please call 626-821-4623.



### AT THE GIFT SHOP

## MARC'S PICKS FROM THE BOOK CORNER

*Greetings plant lovers! We have some new book offerings for you!*

For hot spring & summer color, we have Susan Roth's *Hot Plants for Cool Climates*, a tropical odyssey into great planting combos. \$35.00

Another book of interest is *The New Native Garden*, by Paul Urquhart, explaining Australian natives for home landscapes in warm climates.

Lastly, from Norton Publishing, *Interior Landscapes, Horticulture & Design*, a marvelous journey in creating both lush tropical or Zen sparse planting in limited spaces for intimate settings.

The Arboretum Gift shop is open daily, 9:00am to 4:30pm.

Please drop by and browse our book section.

We also welcome special orders!



### ORIENTATION BEGINS IN MARCH

## BECOME AN ARBORETUM VOLUNTEER

Warm up as winter wanes and put a spring in your step—join The Arboretum's volunteer team! The spring New Volunteer Orientation Series will be offered at The Arboretum on three consecutive Saturdays: March 15, 22, and 29, from 9:00am to noon.

These sessions are the first of two orientations offered annually by Los Voluntarios, The Arboretum's volunteer organization. The March classes are a condensed version of the six-week-orientation series, which will take place in the fall.

Participants will be treated to interesting behind-the-scenes tours of The Arboretum. Arboretum staff and volunteers will present

lectures and discuss the diverse opportunities that are available to volunteers at the pastoral 127-acre botanical garden and wildlife refuge.

Los Voluntarios, over 250 strong, play a key role at The Arboretum. Volunteers can be seen in the charming gift shop, in the numerous theme gardens, in the offices, leading school tours, and assisting with special events. Last

year over 270 adult and junior volunteers contributed approximately 2,000 hours to Baldwin Bonanza, The Arboretum's premier fundrais-

ing event. The 2002 Baldwin Bonanza Festival of Plants was the biggest and best ever and illustrates how teamwork between staff and volunteers is a recipe for success.

For more information and to obtain an application, please call Nancy Pirovano, volunteer coordinator, at (626) 821-4623.



*Graduates of the fall Los Voluntarios new orientation series in The Arboretum's historical Coach Barn with fellow volunteers and Arboretum staff.*



*Please Join us for a Party on May 2!*  
*Baldwin Bonanza*  
*2003 Preview Party*

As the prelude to Baldwin Bonanza Festival of Plants 2003, The Arboretum will host its Annual Baldwin Bonanza Preview Party and Silent Auction on Friday, May 2, 2003. This year's event is expected to be the most exciting gardening and botanical festival in Southern California.

Preview Party guests will have the opportunity to stroll through extensive plant gallery displays and visit beautiful landscape exhibits, designed by some of the most well known landscape designers in the Southern California area.

Most importantly, Preview Party guests will enjoy first pick of thousands of exciting and unique plants from The Arboretum collection and participating nurseries.

Wonderful cuisine from some of our community's finest chefs, along with an open bar for refreshments, will be featured and party goers will be able to partake in the excitement of a Silent Auction, featuring a tempting array of valuable gifts, trips, art, jewelry and other items.

The proceeds of the Baldwin Bonanza Preview Party and Silent Auction are to benefit The Arboretum. Tickets for this event are by reservation only and will be available for purchase through The Arboretum starting in March.



AT THE ARBORETUM MAY 2, 3 & 4:  
**33rd FESTIVAL OF PLANTS  
SALE & GARDEN GALLERIES  
CELEBRATION**

**Preview Party Fundraiser**  
Friday, May 2 from 4:30 to 8:00pm

**Members Only Plant Sale**  
Saturday, May 3 from 8:00 to 9:00am

**Public Plant Sale**  
Saturday, May 3 and Sunday, May 4  
from 9:00am to 4:30pm

*The Arboretum*  
*of Los Angeles County*

301 North Baldwin Avenue  
Arcadia, CA 91007-2697  
(626) 821-3222

Non Profit  
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No. 528

**Admission**

\$5 Adults, \$3 Students  
and Seniors, \$1 Children 5-12,  
Free for children under 5  
and Arboretum members

**Hours**

9:00 am to 4:30 pm daily  
Closed December 25  
[www.arboretum.org](http://www.arboretum.org)